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AIR QUALITY IMPLEMENTATION PLAN FOR THE STATE OF ALASKA

VOLUME III: PERMIT SYSTEM APPENDICES

DECEMBER 1971

Prepared for the

STATE OF ALASKA
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

TRW
SYSTEMS GROUP

ONE SPACE PARK • REDONDO BEACH, CALIFORNIA 90278

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The report presents three Appendices which support Volume III, Permit System, of the Alaska Implementation Plan. Appendix A, provides definitions of terms used in the Permit System. Appendix B is a sample registration form for use in registering sources of air pollutants. Appendix C is an application form for authority to construct and/or permit to operate a source of air pollution. The main report of Volume III discusses the features of the Permit System.

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PREFACE

This document presents three Appendices which support Volume III, Permit System, of the Alaska Implementation Plan. Appendix A, provides definitions of terms used in the Permit System. Appendix B, is a sample Registration Form for use in registering sources of air pollutants. Appendix C, is an Application Form for authority to construct and/or permit to operate a source of air pollution.

APPENDIX A - DEFINITIONS

Stationary Source - Any building, structure, facility or installation which emits or may emit any air pollutant.

New Source - Any stationary source, the construction or modification of which is commenced after the office adoption of the Alaska State Air Pollution Control Rules and Regulations.

Modification - Any facility change or change in the method of operation of, a stationary source which increases the amount of any air pollutant emitted by the source or which results in the emission of any air pollutant not previously emitted.

Owner/Operator - Any person who owns, leases, operates, controls, or supervises a stationary source.

Existing Source - Any stationary source other than a new source.

Air Pollution Control Authority (APCA) - The local Air Pollution Control District or, in its absence, the Department of Environmental Conservation.

APPENDIX B

REGISTRATION FORM

STATE OF ALASKA

DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Official Use Only

Date Received _____
Logged by _____
Reviewed by _____
Inspected by _____

Firm Name _____ Address _____ Phone Number _____

Legal Owner _____ Address _____

Company Representative on Air Pollution Matters _____ Title _____

Nature of Business Operation _____

Fuel Burning Equipment

Type of Fuel Used (List all types used) _____ Heat Content (BTU/LB) _____ Sulfur Content (%) _____ Ash Content (%) _____

Total Quantity of Fuel Used Per Year (List all types used) _____

Number of Combustion Units _____

Total BTU Rating of all Units (BTU/HR) _____

Operating Schedule _____ Days/Year _____ Hrs/Day

Type of Abatement Equip _____ Efficiency (%) _____

Process Equipment

Type of Process _____ Process Rate _____ LB/HR _____ Tons/Year _____

Number of Units _____ Type(s) of Abatement Equipment _____ Efficiency _____

Process Equipment

Unit #	Type of Operation	Process Rate lb/hr	Stack Perameters: Height Feet	Stack Perameters: Diameter Inches	Stack Perameters: Temp. °F	Stack Perameters: Exit Vel. ft/sec	Type of Control Equipment	Control Efficiency %

Total Estimated Emissions: Unit #	P T/Y	SOX T/Y	CO T/Y	HC T/Y	NOX T/Y	Operating Schedule: days/year	hrs/day

Fuel Storage

Unit #	Storage Volume Gal	Throughput per Year, Gal	Stack Parameters: Height Feet	Stack Parameters: Diameter Inches	Stack Parameters: Temp. °F	Stack Parameters:	Type of Control Group	Control Efficiency %	Total Estimated Emissions, Hydrocarbons T/Y

APPENDIX C

APPLICATION FOR

AUTHORITY TO CONSTRUCT AND/OR PERMIT TO OPERATE

STATE OF ALASKA

DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Official Use Only

Date Received _____
Logged by _____
Reviewed by _____
Inspected by _____

Type of Application

☐ Authority to construct - new facility
☐ Authority to construct - existing facility to be modified
☐ Permit to operate - existing facility (no modification required)

Firm Name _____ Address _____ Phone Number _____

Legal Owner _____ Address _____ Phone Number _____

Company Representative on Air Pollution Matters _____ Title _____

Nature of the Business Operation _____

Fuel Burning Equipment

Unit #	Capacity BTU/hr	Type of Fuel Used	Quantity Per year	Sulfur Content %	Ash Content %	Stack Parameters				Type of Control Equipment	Control Efficiency %
						Height Feet	Diameter Inches	Temperature °F	Exit Vel. ft/sec		

Unit #	Total Estimated Emissions					Operating Schedule	
	Particulate T/Y	SOX T/Y	CO T/Y	HC T/Y	NOX T/Y	days/year	hrs/day

Solid Waste Disposal

Type of Waste Burned _____ Quantity Per Year _____ tons

_____

_____ Type of Abatement Equipment _____ Efficiency % _____

Type of Equipment Used _____ _____ _____

_____ _____ _____

_____

Is there open burning? _____ Quantity per year burned _____ tons

Fuel Storage

Type of Fuel Stored _____ Number of Tanks Total Tankage Volume _____ gals

_____ Fixed Roof _____ Total Throughput:

_____ Floating Roof _____ Distilled Product _____ gal/yr

_____ Crude Oil _____ gal/yr

Signature _____ Date _____

Solid Waste Disposal

Unit #	Type of Operation	Rate of Disposal lb/hr	Stack Parameters				Type of Control Equipment	Control Efficiency
			Height Feet	Diameter Inches	Temp. °F	Exit Vel. ft/sec		

	Estimated Emissions T/Y					Operating Schedule	
Unit #	Particulate T/Y	SOX T/Y	CO T/Y	HC T/Y	NOX T/Y	days/year	hrs/day

The following data are submitted by the undersigned as part of this Application. Required data should be established by consulting the DEC.

Required	Submitted	
_____	_____	Facility Description and Layout
_____	_____	Descriptions of Provisions for Stack Sampling.
_____	_____	Descriptions of Stack Monitoring Equipment
_____	_____	Emission Calculations
_____	_____	Air Quality Calculations
_____	_____	Design Specifications for Abatement Equipment
_____	_____	Stack Measurement Data
_____	_____	Abatement Procedures for Emergency Episodes
_____	_____	Compliance Schedule
_____	_____	Emission Data Submittal Schedule
_____	_____	Descriptions of Air Quality Monitoring Equipment
	_____	Other:

_____ , _____

Signature Date